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L20 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2002 ACS
 1998:667152 HCAPLUS
 130:66764
 DNA-PHONA-PNA chimeric molecules: contributions to
 binding against complementary DNA
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AB The synthesis of a DNA-phosphonate peptide nucleic acid analog
 (PHONA)-peptide nucleic acid (PNA) chimeric mol. using a monomethoxytrityl
 (Mmt) protection strategy is described. The chimeric oligomer shows
 duplex binding properties that are comparable to the corresponding PNA.
 Thus, PHONA building blocks can be incorporated into PNAs without
 distortion of the PNA structure.

IT 217636-83-4P 217636-84-5P 217636-85-6P
 217636-86-7P 217636-87-8P 217636-88-9P
 217636-89-0P 217636-90-3P 217636-91-4P
 217636-92-5P 217636-93-6P 217636-94-7P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and DNA binding properties of DNA-peptide nucleic acid
 phosphonate analog-peptide nucleic acid chimeric mols.)
 RN 217636-83-4 HCAPLUS
 CN DNA, d(C-G-A-C-C-A-A-G-A-T-G-T), complex with peptide nucleic acid
 (dA-dC-dA-dT-[(deamino)(oxy)]C-[(decarbonyl)(phosphinicoxy)]T-(deamino)T-
 G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-84-5 HCAPLUS
 CN DNA, d(C-G-A-C-C-A-A-G-A-T-G-T), complex with peptide nucleic acid
 (dA-dC-dA-dT-[(deamino)(oxy)]C-T-T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX
 NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-85-6 HCAPLUS
 CN DNA, d(A-C-A-T-C-T-T-G-G-T-C-G), double-stranded complementary (9CI) (CA
 INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-86-7 HCAPLUS
 CN DNA, d(C-G-A-C-C-T-A-G-A-T-G-T), complex with peptide nucleic acid
 (dA-dC-dA-dT-[(deamino)(oxy)]C-[(decarbonyl)(phosphinicoxy)]T-(deamino)T-
 G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-87-8 HCAPLUS
 CN DNA, d(C-G-A-C-C-T-A-G-A-T-G-T), complex with peptide nucleic acid
 (dA-dC-dA-dT-[(deamino)(oxy)]C-T-T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX
 NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-88-9 HCAPLUS

CN DNA, d(A-C-A-T-C-T-T-G-G-T-C-G), complex with DNA d(C-G-A-C-C-T-A-G-A-T-G-T) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-89-0 HCAPLUS

CN DNA, d(C-G-A-C-C-A-T-G-A-T-G-T), complex with peptide nucleic acid (dA-dC-dA-dT-[(deamino)(oxy)]C-[(decarbonyl)(phosphinicooxy)]T-(deamino)T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-90-3 HCAPLUS

CN DNA, d(C-G-A-C-C-A-T-G-A-T-G-T), complex with peptide nucleic acid (dA-dC-dA-dT-[(deamino)(oxy)]C-T-T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-91-4 HCAPLUS

CN DNA, d(A-C-A-T-C-T-T-G-G-T-C-G), complex with DNA d(C-G-A-C-C-A-T-G-A-T-G-T) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-92-5 HCAPLUS

CN DNA, d(C-G-A-C-C-T-T-G-A-T-G-T), complex with peptide nucleic acid (dA-dC-dA-dT-[(deamino)(oxy)]C-[(decarbonyl)(phosphinicooxy)]T-(deamino)T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-93-6 HCAPLUS

CN DNA, d(C-G-A-C-C-T-T-G-A-T-G-T), complex with peptide nucleic acid (dA-dC-dA-dT-[(deamino)(oxy)]C-T-T-G-G-T-C-G)-NH2 (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-94-7 HCAPLUS

CN DNA, d(A-C-A-T-C-T-T-G-G-T-C-G), complex with DNA d(C-G-A-C-C-T-T-G-A-T-G-T) (1:1) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

IT 217636-80-1P 217636-81-2P 217636-82-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. and DNA binding properties of DNA-peptide nucleic acid phosphonate analog-peptide nucleic acid chimeric mols.)

RN 217636-80-1 HCAPLUS

CN Peptide nucleic acid, (dA-dC-dA-dT-[(deamino)(oxy)]C-[(decarbonyl)(phosphinicooxy)]T-(deamino)T-G-G-T-C-G)-NH2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-81-2 HCAPLUS

CN Peptide nucleic acid, (dA-dC-dA-dT-[(deamino)(oxy)]C-T-T-G-G-T-C-G)-NH2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 217636-82-3 HCAPLUS

CN DNA, d(A-C-A-T-C-T-T-G-G-T-C-G) (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

MAUPIN 09/835,371